



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Nu-Vue Industries, Inc.
1055 East 29th Street
Hialeah, Florida 33013

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series NVSNP, NV/NVTH, NVHC, NVSTA and NVHTA Steel Wood Connectors.

APPROVAL DOCUMENT: Drawing No. NU-5, titled "Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat", sheets 1 through 4 of 4, dated 04/15/2004, with last revision dated 01/25/2012, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 09-0721.05 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
04/05/2012

NOA No. 12-0130.35
Expiration Date: December 23, 2014
Approval Date: April 12, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **NU-5**, titled "Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat", sheets 1 through 4 of 4, dated 04/15/2004, with last revision dated 01/25/2012, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS *"Submitted under NOA # 04-0510.03"*

Test reports on wood connectors per ASTM D1761 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Direction</u>	<u>Date</u>
1.	PT # 03-4482	NVSNP3	Downward	09/15/03
2.	PT # 03-4625	NVHCL/R	Up& Sideways	01/21/04
3.	PT # 04-4641	NVSTA-24H	Up& Sideways	03/17/04
4.	PT # 04-4698	NVTH24	Up& Sideways	04/15/04
5.	PT # 03-4590	NVTH26/NV458	Sideways	12/31/03
6.	PT # 04-4642	NVHTA-24H	Up& Sideways	03/22/04
7.	PT # 03-4543	NVTH20/NV358	Up& Sideways	12/19/03

C. CALCULATIONS *"Submitted under NOA # 09-0721.05"*

1. Report of Design Capacities, dated 06/30/2009, sheets 1 through 12 of 12, prepared, signed and sealed by Vipin N. Tolat, P.E.

"Submitted under NOA # 04-0510.03"

2. Report of Design Capacities dated 04/27/2004, sheet 1 through 12, prepared, signed and sealed by Vipin N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT *"Submitted under NOA # 09-0721.05"*

1. Statement letter of code conformance, no financial interest and no change of product, dated 07/08/2009, issued, signed and sealed by Vipin N. Tolat, P.E.


04/05/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0130.35

Expiration Date: December 23, 2014
Approval Date: April 12, 2012

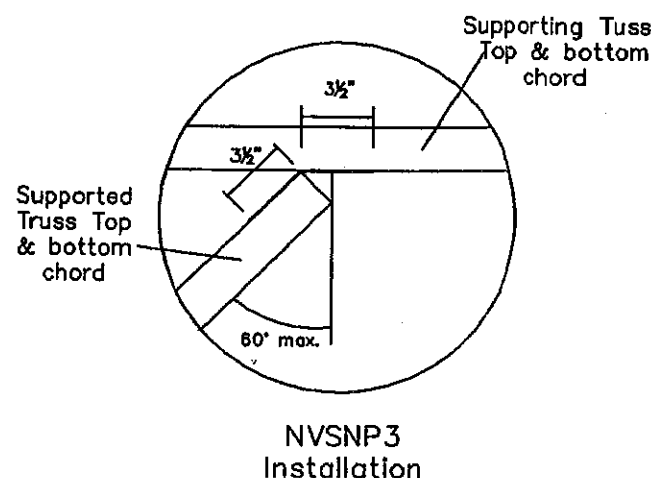
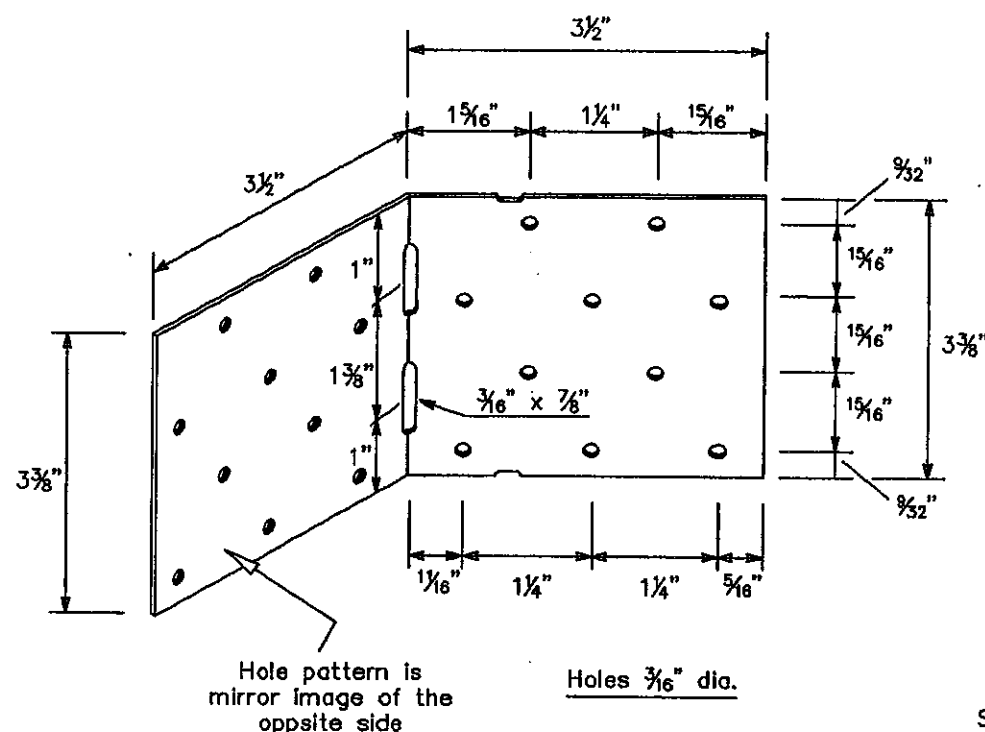


TABLE 1
SKEWED NAIL PLATE

Product Code	Steel Gauge	Fastener Schedule	Allowable Loads (lbs)	
		Each End	Gravity	Uplift
NVSNP3	16	(6) 8d x 1 1/2"	594	594

For Uplift, use two NVSNP3, one at top chord and one at bottom chord of the supporting and supported Trusses in compliance with section 2321.7 of the FBC.

Notes:

1. Use 6 nail holes in each flange.
2. Do not bend nail plate more than once.
3. Supporting member shall be in the acute angle side with other flange behind the end of supported member (see sketch.)

General Notes:

1. Steel shall conform to ASTM A653, structural grade .33 (Min. yield 33 ksi) and a minimum galvanized coating of G 60 per ASTM A525.
2. Allowable loads are based on Latest Editions of National Desing specifications (NDS) for wood construction and Florida Building Code (FBC). ie. NDS 2005 and FBC 2010
3. Design loads are for Southern Pine species with a specific gravity of 0.55. Allowable loads for other species shall be adjusted accordingly.
4. Common wire nail values are based on NDS and have been reduced for Penetration Depth factor.
5. Allowable loads for wind uplift have been increased by a duration factor of 1.6 for anchors into wood only. Load values shown are, without 33% steel stress increase.
6. Allowable loads for more than a single connection cannot be added together. A design load which is divided into components in the direction given must be evaluated as follows:

$$\frac{\text{Actual Uplift}}{\text{Allowable Uplift}} + \frac{\text{Actual L1}}{\text{Allowable L1}} + \frac{\text{Actual L2}}{\text{Allowable L2}} \leq 1.0$$

7. Allowable loads are based on 1 1/2" thick wood members unless otherwise noted.
8. All tie beams and grouted concrete masonry shall comply with FBC. Concrete for tie beams and grout and mortar for concrete masonry shall be a minimum of 2500 psi. Concrete masonry shall comply with ASTM C90.
9. All tests have been conducted in accordance with ASTM D-1761.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130-35
Expiration Date 12/23/2014
By *[Signature]*
Miami Dade Product Control

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[Signature]
1/25/12

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SKEWED NAIL PLATE

DWG #:	Sheet:	Date:	Revisions:
NU-5	1 of 4	APRIL 15, 2004	1/25/12

TABLE 2: NV358 – 14G Double NVTH Straps with 2 ply 18G seat

Assembly Product Code	14G Strap Product Code	Dimension H (inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Total No. of Fasteners in Seat 10d x 3"	Allowable Loads (lbs)		
					Uplift	L1	L2
NV358-12	NVTH16	12	8	8	2245	1961	1839
NV358-14	NVTH18	14	10	8	2525	2206	2068
NV358-16	NVTH20	16	12	8	2806	2452	2298
NV358-20	NVTH24	20	14	8	3086	2697	2528
NV358-22	NVTH26	22	16	8	3367	2942	2758
NV358-24	NVTH28	24					
NV358-26	NVTH30	26					
NV358-32	NVTH36	32					
NV358-44	NVTH48	44					

Notes:

1. Minimum embedment into concrete 4".
2. Nails are necessary in straps and seat to achieve design loads.
3. See Note 6 (Sheet 1) for combined load.
4. Nails through chords shall not force the truss plate on the opposite side.

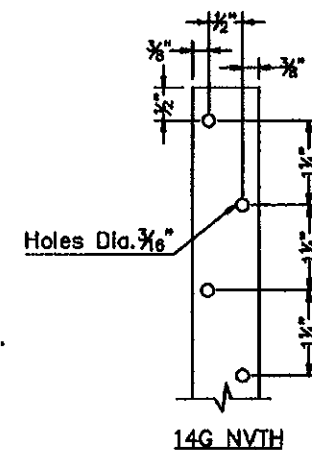
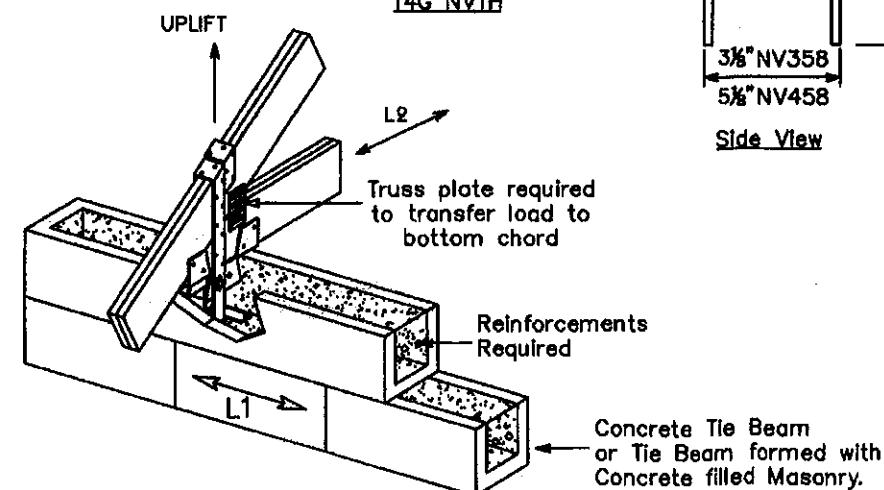
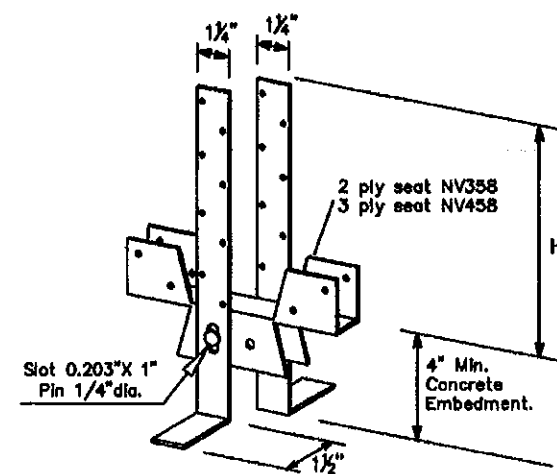
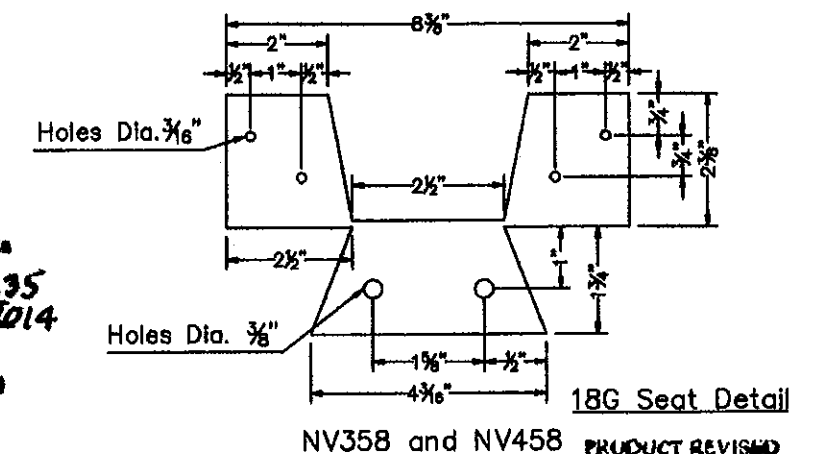
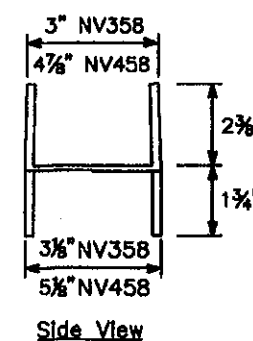


TABLE 3: NV458 – 14G Double NVTH Straps with 3 ply 18G seat

Assembly Product Code	14G Strap Product Code	Dimension H (inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Total No. of Fasteners in Seat 10d x 3"	Allowable Loads (lbs)		
					Uplift	L1	L2
NV458-12	NVTH16	12	8	8	2245	2783	2078
NV458-14	NVTH18	14	10	8	2525	3131	2338
NV458-16	NVTH20	16	12	8	2806	3479	2597
NV458-20	NVTH24	20	14	8	3086	3827	2857
NV458-22	NVTH26	22	16	8	3367	4175	3117
NV458-24	NVTH28	24					
NV458-26	NVTH30	26					
NV458-32	NVTH36	32					
NV458-44	NVTH48	44					



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Miami Trade Product Control



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7/8/09

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NV358 & NV458 WITH DOUBLE NVTH STRAPS

DWG #:	Sheet:	Date:	Revisions:
NU-5	2 of 4	APRIL 15, 2004	July 5, 2009

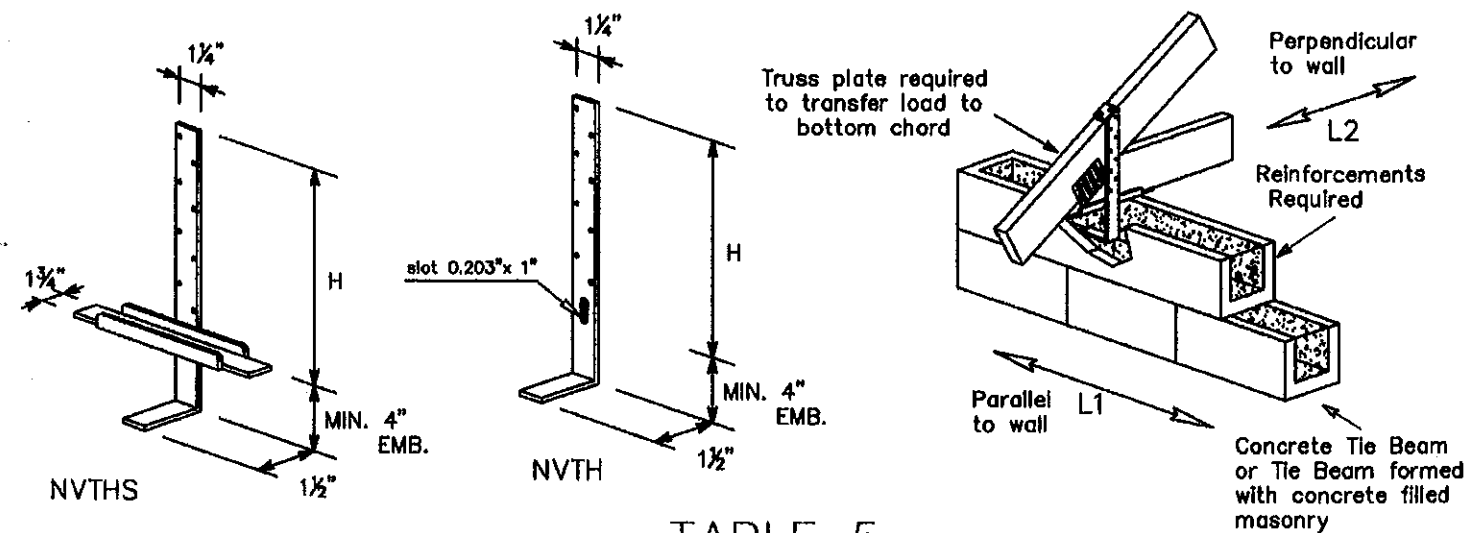
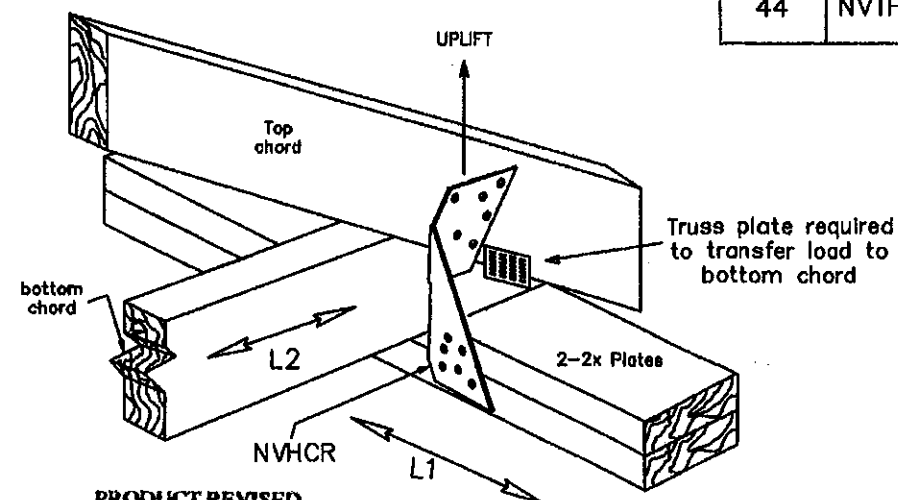
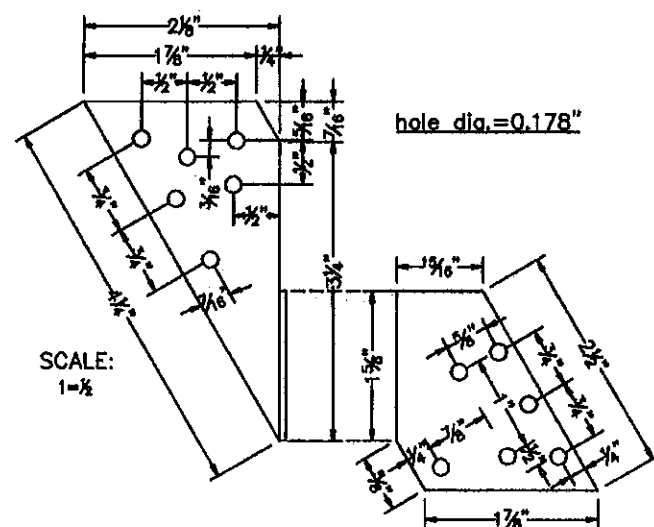
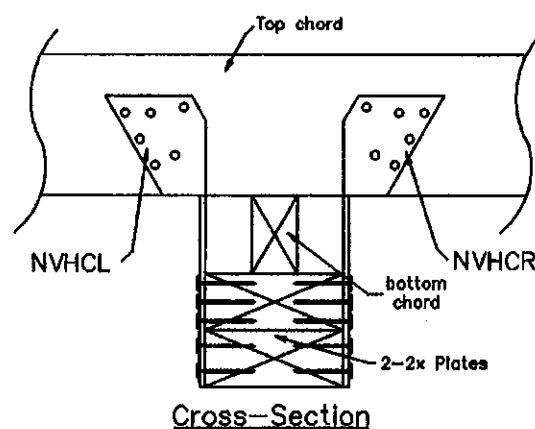


TABLE 5
HURRICANE CLIPS

Product Code	Description	Gauge	Fasteners 10d x 1½"		Allowable Loads (lbs)		
			Header	Joist	Uplift	L1	L2
NVHCR	HURRICANE CLIP – RIGHT	18	6	6	525	253	333
NVHCL	HURRICANE CLIP – LEFT	18	6	6	525	253	333

For Uplift, use two clips, one on each side to comply with section 2321.7 of the FBC



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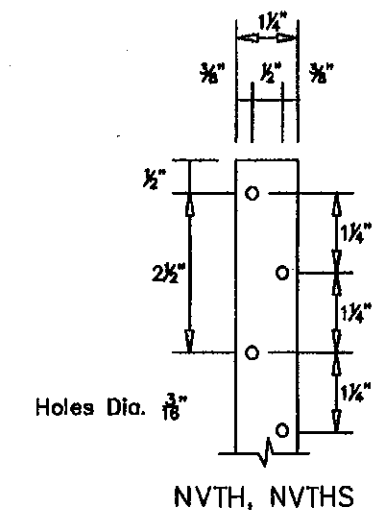
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Miami Dade Product Control
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TABLE 4

Truss Anchors NVTH and Riveted Truss Anchors with Seat NVTHS

H Length (in)	Product Code		Gauge seat	Gauge strap	No. of Fasteners in Strap 10d x 1.5"	Maximum Allowable Load (lbs)		
						Uplift	L1	L2
12	NVTH-16	NVTHS 212	18	14	5	1032	560	525
14	NVTH-18	NVTHS 214	18	14	6	1222	671	630
16	NVTH-20	NVTHS 216	18	14	7	1275	783	735
18	NVTH-22	NVTHS 218	18	14	8	1329	783	735
20	NVTH-24	NVTHS 220	18	14	9	1383	783	735
22	NVTH-26	NVTHS 222	18	14	10	1437	783	735
24	NVTH-28	NVTHS 224	18	14	11	1490	783	735
26	NVTH-30	NVTHS 226	18	14	12	1544	783	735
32	NVTH-36	NVTHS 232	18	14	13	1598	783	735
44	NVTH-48	NVTHS 244	18	14				



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NVTH / NVTHS ANCHORS & NVHC HURRICANE CLIPS

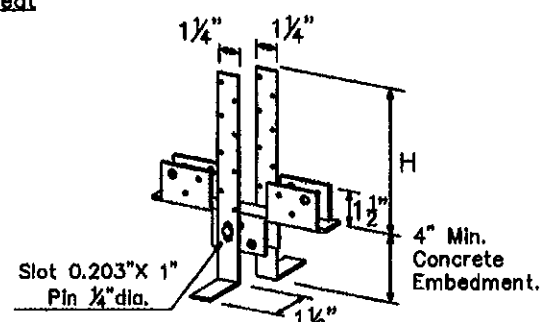
DWG #:	Sheet:	Date:	Revisions:
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NVSTA-Heavy Duty Anchors with 14G NVTH Straps and 1 ply 20G seat

Diagram illustrating the dimensions and components of the test specimen:

- Vertical dimension: $1\frac{1}{4}"$
- Horizontal dimension: $1\frac{1}{2}"$
- Vertical dimension: H
- Horizontal dimension: $1\frac{1}{2}"$
- Pin dimension: Pin $\frac{1}{4}"$ dia.
- Concrete Embedment: 4" Min. Concrete Embedment.

Diagram illustrating a reinforced concrete beam with a truss plate required to transfer uplift to the bottom chord. The beam is labeled L1 and the truss plate is labeled L2. The beam is reinforced with a minimum of 2#5 bars top and bottom.



1/2

By *[Signature]*
Miami/Dade Product Control

UPLIFT

L2

Truss plate required to transfer uplift to bottom chord.

Reinforced Concrete tie beam Min. 2#5 Top & bottom

L1

NVHTA—Heavy Duty Anchors with 14G Double NVTH Straps and 1 ply 20G seat

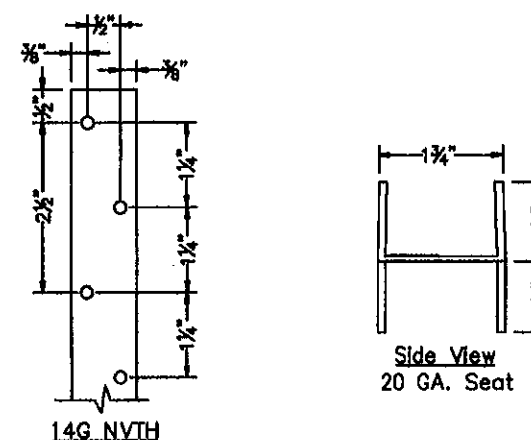
Notes:

1. Nails are necessary in straps and seat to achieve, desing loads.
2. See note 6, sheet 1 for combined loading.
3. Nails through chords shall not force the truss plates.
4. For general notes, see sheet 1.
5. For higher uplift loads, concrete shall be 3000 psi.
6. Based on min. 2500 psi concrete.

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NVHTA
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By Steele
Miami-Dade Product Control

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NVSTA & NVHTA HEAVY DUTY ANCHORS WITH SEAT

DWG #:	Sheet:	Date:	Revisions:
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